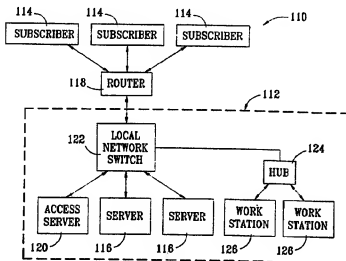




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : G06F 17/60, 19/00		(11) International Publication Number: WO 96/41288
A1		(43) International Publication Date: 19 December 1996 (19.12.96)
(21) International Application Number: PCT/US96/08684 (22) International Filing Date: 7 June 1996 (07.06.96) (30) Priority Data: 08/485,431 7 June 1995 (07.06.95) US (71) Applicant: E-SYSTEMS, INC. [US/US]; 6250 LBJ Freeway, Dallas, TX 75240 (US). (72) Inventors: JOHNSON, Gary, Duane; 1349 Evergreen, Lewisville, TX 75067 (US). CAMPBELL, Kelly, Scott; 2560 Buttercup Drive, Richardson, TX 75082 (US). (74) Agents: MEIER, Harold, E. et al.; Gardere & Wynne, L.L.P., Suite 3000, 1601 Elm Street, Dallas, TX 75201 (US).		(81) Designated States: AL, AM, AU, BB, BG, BR, CA, CN, CZ, EE, FI, GE, HU, IL, IS, JP, KG, KP, KR, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: APPARATUS AND METHOD FOR CENTRALIZED STORAGE OF HETEROGENEOUS MEDICAL RECORDS IN MANAGED HEALTH CARE ORGANIZATION



(57) Abstract

A central medical record repository (200) for a managed health care organization accepts and stores medical record documents in any format from medical service providers (114). The repository then identifies the document using information automatically extracted from the document and stores the extracted data in a document database (210). The repository links the document to a patient by extracting from the document demographic data identifying the patient and matching it to data stored in a patient database (216). Data is extracted automatically from medical records containing "unstructured" or free-form text (502) by identifying conventional organization components in the text and is organized by executing rules that extract data with the aid of such information. Documents for a patient are retrieved by identifying the patient using demographic data.

